

INFORMATION PAPER

ON

HC-130 TACTICAL DATA LINK (TDL)

1. Background. Combat Search and Rescue (CSAR) forces require the improved situational awareness (SA) capabilities a tactical data link provides during Combat Search and Rescue Task Force (CSARTF) operations to quickly locate and recover survivors and provide critical off-board data to C2 and protective fighter/attack aircraft. The HC-130 needs to be networked with other assets in theater, have enhanced SA for CSARTF missions, and reduced fratricide for CSAR forces.

2. Requirement. CAF MNS 315-92, Real Time Information in the Cockpit (RTIC). Global Information Grid CRD, JROCM 134-01, 30 Aug 01. Air Force Tactical Data Link Master Plan.

3. Impact If Not Funded. Real time information into and out of the cockpit (RTIC/RTOC) is critical to Combat Search and Rescue (CSAR), drop-zone identification, and threat analysis while limiting voice emissions. Lack of RTIC through a data link creates high potential for mission failures, lost aircrew, and lost aircraft due to lack of situational awareness and airspace management in the battle area. ANG rescue aircraft will be incompatible with CSAR force packages.

4. Units Impacted.

106 RQW Gabreski ANGB, NY
129 RQW Moffett Federal Airfield, CA
176 WG Kulis ANGB, AK

5. Contractor. For JTRS Cluster 1: Boeing, St Louis, MO; Data Link Systems (DLS) (Rockwell and BAE partnership), Dan Diego, CA

6. Cost.

Units Required*	Unit Cost	Program Cost
JTRS with EPLRS and Link 16 - 18 Units	\$150,000	\$2,700,000
Integration/Testing (NRE)	\$800,000	\$800,000
		\$3,500,000

*No spares required